

## Kolak, Shari

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**From:** Tracy, Carol Hefferan (DEQ) <TracyC1@michigan.gov>  
**Sent:** Friday, May 02, 2014 10:49 AM  
**To:** Kolak, Shari; Wagaw, Wally (DEQ)  
**Subject:** RE: Updated West KL Avenue trend charts  
**Attachments:** P-53-bpCHT.xlsx



Shari, did you accidentally pick up an old one? The one I saved to the S drive/revised folder has all the data and all the charts and it looks like the "excel print area" is set correctly. Here it is again.

*Carol*

Carol Tracy, Senior Geologist  
Michigan Department of Environmental Quality  
Superfund Section, Remediation and Redevelopment Division  
Geology and Defense Site Management Unit  
tracyc1@michigan.gov  
Phone Number: 517-284-5161

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**From:** Kolak, Shari [mailto:kolak.shari@epa.gov]  
**Sent:** Friday, May 02, 2014 11:43 AM  
**To:** Wagaw, Wally (DEQ)  
**Cc:** Tracy, Carol Hefferan (DEQ)  
**Subject:** RE: Updated West KL Avenue trend charts

Wally,

Could Carol update the trend chart for P-53 to include the THF, TBA, etc. data in the table? The printed copy only shows 1,4-dioxane data in the table. Thanks, shari

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**From:** Wagaw, Wally (DEQ) [mailto:WAGAWW@michigan.gov]  
**Sent:** Friday, May 02, 2014 9:08 AM  
**To:** Kolak, Shari  
**Cc:** Tracy, Carol Hefferan (DEQ)  
**Subject:** RE: Updated West KL Avenue trend charts

Hi Shari,

1. If you send the revised Data Review Section, we will review it. You may want to include the comments from Headquarters.
2. I don't think waiting for the 2nd MNA Report is going to make any difference (although that is what Bill has been asking for). We now have a pretty good idea that MNA is not doing the job. I would suggest December, 2014 as the milestone date for implementing additional source control/contingent remedies.

Wally

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**From:** Kolak, Shari [mailto:kolak.shari@epa.gov]  
**Sent:** Thursday, May 01, 2014 5:24 PM  
**To:** Wagaw, Wally (DEQ); Tracy, Carol Hefferan (DEQ)  
**Subject:** RE: Updated West KL Avenue trend charts

Thanks Wally and Carol. Wally, are you in the office tomorrow, Friday May 2<sup>nd</sup>?

There's two things I need:

First, I was hoping you or Carol could review some new language I puit in the Data Review section, per comments I got from Headquarters.

Second, I'm trying to figure out the appropriate milestone date for evaluating and implementing additional source control/contingent remedies. I originally had July 31, 2014. We are now being held accountable for meeting these milestone dates. I think July is too soon. We don't want to wait for the 2<sup>nd</sup> oficieal MNA report (dec. 2015) but I want to give them enough time to do this... Any thoughts on a date?

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**From:** Wagaw, Wally (DEQ) [<mailto:WAGAWW@michigan.gov>]  
**Sent:** Thursday, May 01, 2014 2:25 PM  
**To:** Tracy, Carol Hefferan (DEQ); Kolak, Shari  
**Subject:** RE: Updated West KL Avenue trend charts

Thanks.

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**From:** Tracy, Carol Hefferan (DEQ)  
**Sent:** Thursday, May 01, 2014 3:23 PM  
**To:** Kolak, Shari ([kolak.shari@epa.gov](mailto:kolak.shari@epa.gov))  
**Cc:** Wagaw, Wally (DEQ)  
**Subject:** Updated West KL Avenue trend charts

Shari, please let me know if you see anything else you'd like revised – or if any other charts need some work. I think I've caught all you asked for.

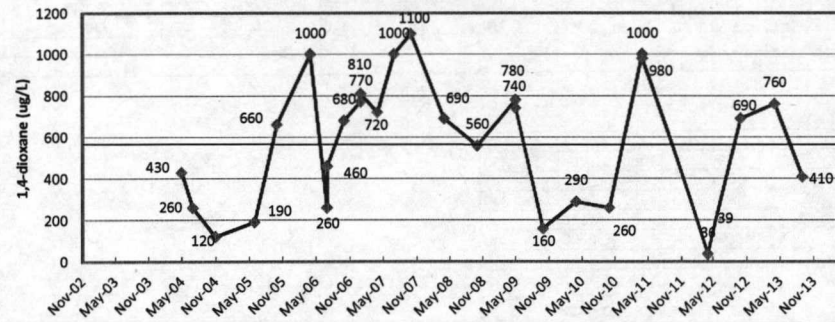
Wally, these are in the folder on the S drive under Geology, April2014, Revised2014.

*Carol*

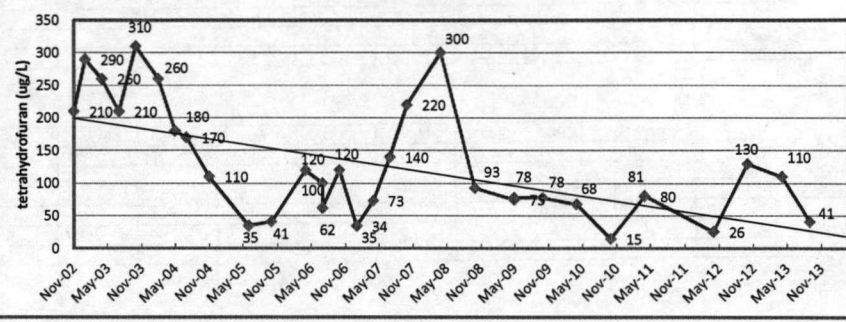
Carol Tracy, Senior Geologist  
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Geology and Defense Site Management Unit  
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Phone number: 517-284-5161

**P-53  
West KL Avenue Landfill**

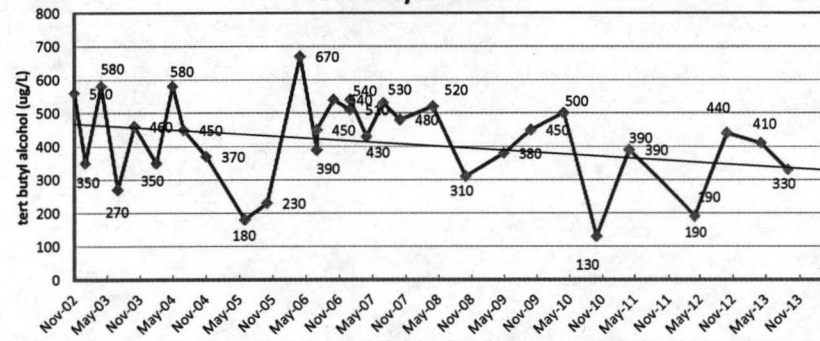
**P-53, West KL Avenue Landfill  
1,4-Dioxane**



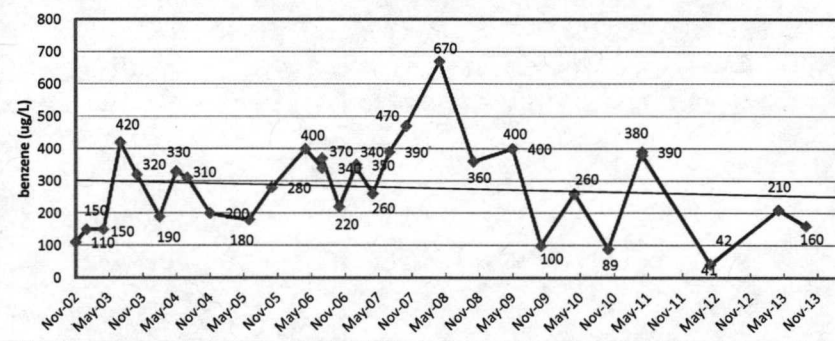
**P-53, West KL Avenue Landfill  
Tetrahydrofuran**



**P-53, West KL Avenue Landfill  
Tert Butyl Alcohol**



**P-53, West KL Avenue Landfill  
Benzene**



**P-53**  
**West KL Avenue Landfill**

		Nov-02	Jan-03	Apr-03	Jul-03	Oct-03	Feb-04	May-04	Jul-04	Nov-04	Jun-05	Oct-05	Apr-06	Jul-06	Jul-06	Oct-06	Jan-07	Jan-07	Apr-07	Jul-07	Oct-07
1,4-dioxane	µg/L							430	260	120	190	660	1000	260	460	680	770	810	720	1000	1100
tetrahydrofuran	µg/L*	210	290	260	210	310	260	180	170	110	35	41	120	100	62	120	34	35	73	140	220
tert butyl alcohol	µg/L	560	350	580	270	460	350	580	450	370	180	230	670	390	450	540	510	540	430	530	480
benzene	µg/L	110	150	150	420	320	190	330	310	200	180	280	400	340	370	220	350	340	260	390	470
dissolved methane	µg/L																				
chloride	mg/L**																				

		Apr-08	Oct-08	May-09	May-09	Oct-09	Apr-10	Oct-10	Apr-11	Apr-11	Apr-12	Apr-12	Oct-12	Apr-13	Sep-13
1,4-dioxane	µg/L	690	560	780	740	160	290	260	1000	980	36	39	690	760	410
tetrahydrofuran	µg/L	300	93	75	78	78	68	15	80	81	26	26	130	110	41
tert butyl alcohol	µg/L	520	310	380	380	450	500	130	390	390	190	190	440	410	330
benzene	µg/L	670	360	400	400	100	260	89	390	380	42	41		210	160
dissolved methane	µg/L								8220			1050		8700	2300
chloride	mg/L								75.9	75.8		38		66.4	62.9

\*µg/L - micrograms per liter

\*\*mg/L - milligrams per liter